

ABSTRACT OF THE DISCLOSURE

System and method for increasing data transfer rate. A digital signal waveform that contains one bit of information for every bit time of the digital signal waveform is received. Every three bits of the digital signal waveform is buffered and encoded. The encoding produces an encoded waveform that contains three bits of information for each bit time of the digital signal waveform, therefore, increasing the data transfer rate of the digital signal waveform.